

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2005/004225

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ C09K11/02, 11/08, H05B33/12, 33/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ C09K11/02, 11/08, H05B33/12, 33/14

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2004-83653 A (Sharp Corp.), 18 March, 2004 (18.03.04), Full text & US 2004/105481 A1	1-10
Y	JP 2002-510866 A (Massachusetts Institute of Technology), 09 April, 2002 (09.04.02), Full text; particularly, examples & WO 99/50916 A1 & EP 1070355 A1 & US 6501091 B1	1-10

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search
08 June, 2005 (08.06.05)

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28 June, 2005 (28.06.05)

Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2003-505330 A (Massachusetts Institute of Technology), 12 February, 2003 (12.02.03), Full text; particularly, examples & WO 2001/7689 A2 & EP 1250474 A2 & US 6607829 B1	1-10